

Claims Listing:

1. – 3. (Cancelled)

4. (Currently amended) The sealing member as recited in ~~claim 1, further comprising:~~
claim 22, wherein each of said protrusions ~~each exhibit~~ has an upper delimitation surface and a
lower delimitation surface and ~~a projection~~ projections of the upper and lower delimitation
surfaces of the protrusions in parallel with the width of the ~~sealing strip elongated body~~ are
located between the upper and lower ~~delimitation~~ surfaces of the ~~sealing strip elongated body~~.

5. (Currently amended) The sealing member as recited in claim 4, ~~further comprising:~~
wherein said protrusions each exhibit an extension in height-direction which is smaller than the
extension in height-direction of the ~~sealing strip elongated body~~.

6. (Currently amended) The sealing member as recited in claim 4, ~~further comprising:~~
wherein surface perpendiculars of the upper, lower, and lateral surfaces of the elongated body
each extend ~~said upper delimitation surface of the sealing strip, the lower delimitation surface,~~
~~and portions of a side surface of the sealing strip where the protrusions are arranged are designed~~
~~with the surface perpendiculars of these surfaces in a continuous~~ or non-changing direction,
whereas ~~the direction of~~ the surface perpendicular of an outer side surface of each of the
protrusions, facing away from the ~~sealing strip elongated body~~, changes direction with position
along the length of the protrusion so that the scalar product ~~between the~~ of the outer side surface
perpendicular ~~of this outer side surface~~ and a vector oriented along the longitudinal direction of
the ~~sealing strip elongated body~~ in ~~this portion~~ the vicinity of a given protrusion ~~changes~~ shifts
sign on both sides of the recess in the longitudinal direction of the sealing strip from one end of
the protrusion to the other.

7. (Currently amended) The sealing member as recited in ~~claim 1, further comprising:~~
claim 22, wherein said protrusions each exhibit an outer side surface facing away from the
~~sealing strip elongated body~~ and an inner side surface facing towards the ~~sealing strip elongated~~
~~body; wherein~~ the inner side surface is curved and exhibits a maximum radius of curvature R_i
and the outer side surface is curved and exhibits a maximum radius of curvature R_o ; and the
maximum radius of curvature of the outer side surface is larger than the maximum radius of
curvature of the inner side surface.

8. (Currently amended) The sealing member as recited in ~~claim 1, further comprising:~~
claim 22, wherein said ~~sealing strip elongated body~~ is designed as an endless ~~strip~~ loop.

9. (Currently amended) The sealing member as recited in ~~claim 1, further comprising:~~
claim 22, wherein said ~~sealing strip elongated body~~ is designed with a longitudinal direction
which varies in three dimensions.

10. – 12. (Cancelled)

13. (Currently amended) The component assembly as recited in ~~claim 10, further~~
~~comprising:~~ claim 24, wherein each of said protrusions ~~each exhibit has~~ an upper delimitation
surface and a lower delimitation surface[[]] and a projection of each of the upper and lower
delimitation surfaces of the protrusions in parallel with the width of the ~~sealing strip elongated~~
~~body~~ are located between the upper and the lower ~~delimitation~~ surfaces of the ~~protrusions~~
elongated body.

14. (Currently amended) The component assembly as recited in ~~claim 10, further~~
~~comprising:~~ claim 13, wherein said protrusions each exhibit an extension in height-direction
which is smaller than the extension in height-direction of the ~~sealing strip elongated body~~.

15. (Currently amended) The component assembly as recited in claim 13, ~~further comprising: wherein surface perpendiculars of the upper, lower, and lateral surfaces of the elongated body each extend in said upper delimitation surface of the sealing strip, the lower delimitation surface, and portions of a side surface of the sealing strip where the protrusions are arranged are designed with a continuous or non-changing direction, of the surface perpendiculars of these surfaces, whereas the direction of the surface perpendicular of [[a]] an outer side surface of each of the protrusions, facing away from the sealing strip elongated body, changes direction with position along the length of the protrusion so that the scalar product between the of the outer side surface perpendicular of this outer side surface and a vector oriented along the longitudinal direction of the sealing strip elongated body in this portion the vicinity of a given protrusion changes shifts sign on both sides of the recess in the longitudinal direction of the sealing strip from one end of the protrusion to the other.~~

16. (Currently amended) The component assembly as recited in ~~claim 10, further comprising: claim 24, wherein~~ each of said protrusions exhibits an outer side surface facing away from the ~~sealing strip elongated body~~ and an inner side surface facing towards the ~~sealing strip elongated body; wherein the inner side surface is curved and exhibits a maximum radius of curvature R_i and the outer side surface is curved and exhibits a maximum radius of curvature R_y ; and the maximum radius of curvature of the outer side surface is larger [[that]] than the maximum radius of curvature of the inner side surface~~

17. (Currently amended) The component assembly as recited in ~~claim 10, further comprising: claim 24, wherein~~ said sealing strip is designed with a sufficient number of protrusions in order to enable self-supporting installation in the groove.

18. (Currently amended) The component assembly as recited in ~~claim 10, further comprising: claim 24, wherein~~ said groove and the ~~sealing strip elongated body~~ are designed in ~~an as endless way loops.~~

19. (Currently amended) The component assembly as recited in ~~claim 10, further~~
~~comprising: claim 24, wherein said sealing strip elongated body~~ and the groove are designed
with a longitudinal direction varying in three dimensions.

20. – 21. (Cancelled)

22. (New) A sealing member that is configured to be inserted into a groove in a first
component part so as to provide a seal between the first component part and a second component
part when the first and second component parts are joined together, the sealing member
comprising:

an elongated body that is flexible but substantially incompressible and that has a solid
cross-section, the elongated body having upper and lower surfaces, at least one of which serves
to form the seal, and a lateral surface; and

a plurality of discrete protrusions projecting from the lateral surface;

wherein each of the protrusions comprises a generally arcuate, relatively short length of
material that is anchored at opposite ends thereof to the lateral surface, with portions of the short
length of material located between the ends thereof being spaced from the lateral surface such
that the protrusion can be compressed or collapsed toward the lateral surface by pinching it in its
middle to facilitate 1) insertion of the sealing member into the groove and 2) retention of the
sealing member therein by virtue of the protrusion springing back against a sidewall of the
groove.

23. (New) The sealing member as recited in claim 22, wherein the space between the
lateral surface and each of the short lengths of material is open or unobstructed so as to form a
lead-through.

24. (New) A component assembly, comprising:
a first component part having a groove formed therein;
a second component part that is attached to the first component part; and
a sealing member that is disposed within said groove so as to provide a seal between the first and second component parts;

wherein the sealing member comprises

an elongated body that is flexible but substantially incompressible and that has a solid cross-section, the elongated body having upper and lower surfaces, at least one of which serves to form the seal, and a lateral surface; and

a plurality of discrete protrusions projecting from the lateral surface;

wherein each of the protrusions comprises a generally arcuate, relatively short length of material that is anchored at opposite ends thereof to the lateral surface, with portions of the short length of material located between the ends thereof being spaced from the lateral surface such that the protrusion can be compressed or collapsed toward the lateral surface by pinching it in its middle to facilitate 1) insertion of the sealing member into the groove and 2) retention of the sealing member therein by virtue of the protrusion springing back against a sidewall of the groove.

25. (New) The component assembly as recited in claim 24, wherein the space between the lateral surface and each of the short lengths of material is open or unobstructed so as to form a lead-through.